

In our older collections there are specimens labeled *P. lugubris* which agree fairly with Spix's *P. nigricans* so far as can be seen; but Spix gave only a view of one side, and there is no description of his shells.

What is needed to clear the situation is a good collection from the state of Bahia. In any case, it seems that *P. bahiensis* Dunker is distinct from *P. lugubris* Wagner, whatever that may be.

NEW FLORIDAN SPECIES OF OSTREA AND VERMICULARIA

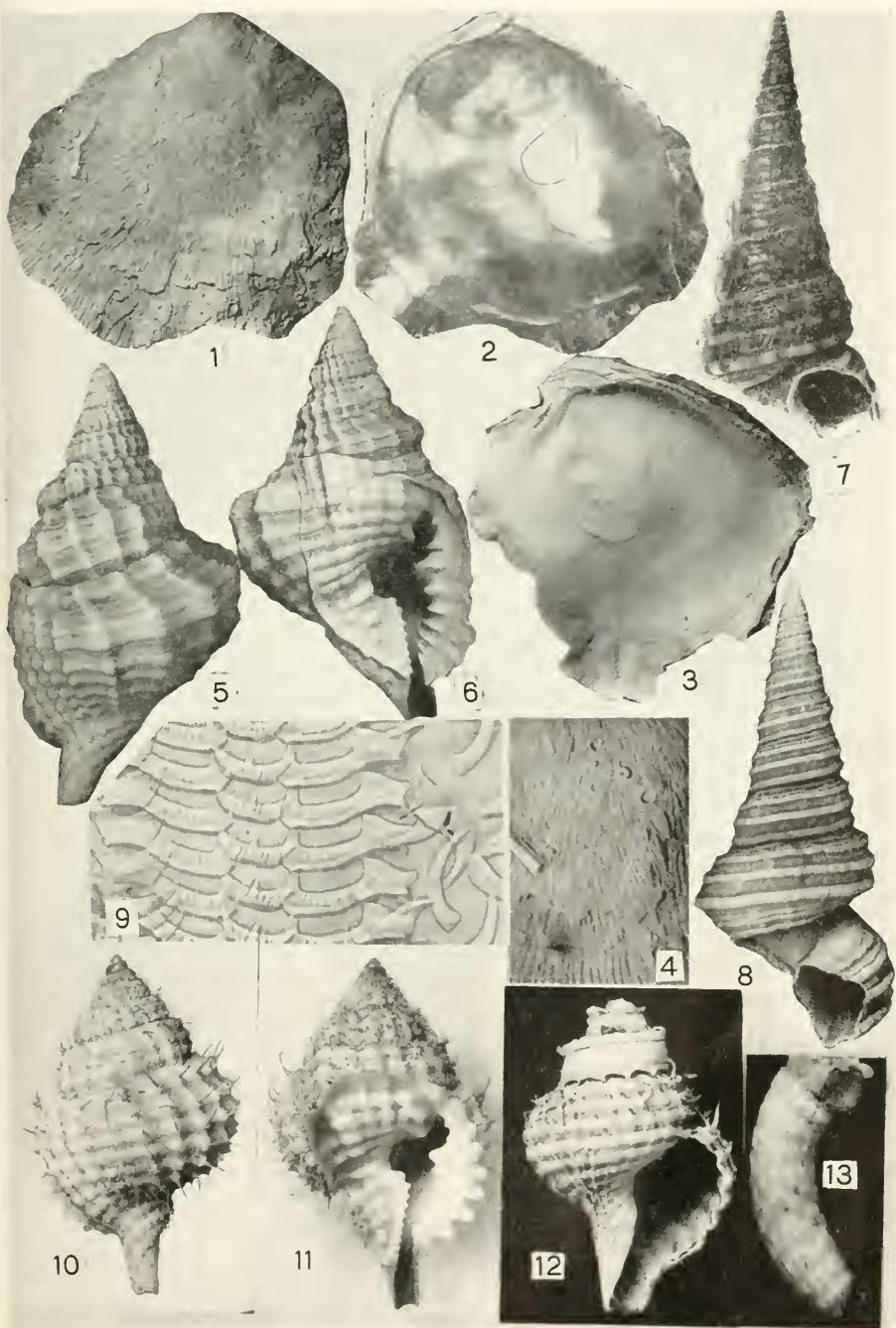
BY AXEL A. OLSSON

OSTREA WEBERI, new species. Plate 1, figs. 1, 2, 3, 4.

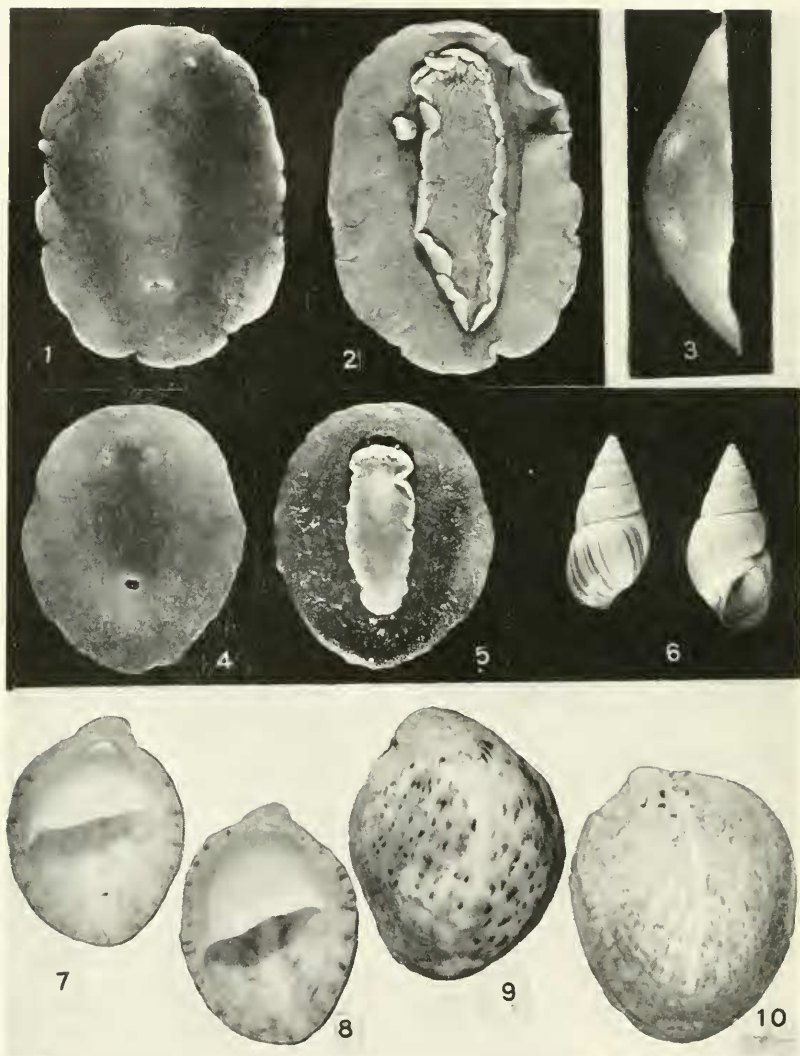
Shell *Anomia*-like, thin, amber or apricot colored, attached usually by the whole surface of the lower valve, hence more or less irregular in form by conforming to the rock bed underneath but with a general tendency for the outline to approach subcircular. Cardinal area narrow, turned towards the posterior side, with the ligament furrow in the middle, the area itself terminating in a small inconspicuous beak pointing backwards. The lateral margins on each side of the cardinal area are minutely denticulated, pits in the left valve and small pustules in the right; in some specimens these denticulations may be nearly obsolete. Outer surface of upper valve covered with fine, radial threads which are more or less divaricate along the middle and spread out fanlike on the ventral portion (fig. 4). The surface of the lower valve where it has become free or detached without causing injury, is smoother with waved growth-lines, the radials almost or wholly obsolete, its color white or pink with faint rays sometimes showing on the extreme umbo. Interior shiny, subnacreous, the muscle scar, posterior in position, small and semilunate. Valve margin is bordered by a darker zone, quite wide, formed by the growing outer layer.

Type, an upper valve from Key West: Height from beak to ventral margin 37.1 mm., diameter across the sides 37.9 mm.

This fine species, wholly distinct from any other oyster known from Atlantic waters, will be recognized at once by its *Anomia*-like shell, deep, rich color and fine, thread-like, radial sculpture of its upper valve. Although so much smaller, and always thin



1-4, *Ostrea weberi*. 5, 6, 9, *Distorsio floridana*. 7, 8, *Scarpulorbis fargoi*.
10-12, *Distorsio clathrata*. 13, *Caccum biminicola*.



FIGS. 1-3. *Platydoris macfarlandi* Hanna, n. sp. Holotype No. 9510, Calif. Acad. Sci. Dept. Paleo. Type Coll.

FIGS. 4-5. *Platydoris macfarlandi* Hanna, n. sp. Paratype No. 9511, Calif. Acad. Sci. Dept. Paleo. Type Coll.

FIG. 6. *Drymaeus multilineatus choreus* Grimshawe.

FIGS. 7-10. *Crepidula maculosa* Conrad. Sanibel Island.